



US005411207A

**United States Patent** [19]**Ashkenazi**[11] **Patent Number:** **5,411,207**[45] **Date of Patent:** **May 2, 1995****[54] PROTECTIVE COIN RETURN FOR  
TELEPHONE PAYSTATION****[75] Inventor:** Ellis Ashkenazi, Irvine, Calif.**[73] Assignee:** Calstar Technologies, Inc., Anaheim,  
Calif.**[21] Appl. No.:** 95,307**[22] Filed:** Jul. 21, 1993**[51] Int. Cl.<sup>6</sup>** ..... H04M 17/00; B65G 11/04**[52] U.S. Cl.** ..... 232/57.5; 379/145;  
271/194; 194/202**[58] Field of Search** ..... 232/55-61;  
379/145, 437; 271/154, 193, 194; 194/202, 203**[56] References Cited****U.S. PATENT DOCUMENTS**

1,921,072	8/1933	Edwards	379/145
2,029,113	1/1936	Mills	232/57.5
2,922,571	1/1960	Kennedy et al.	232/57.5
3,302,872	2/1967	Newman	232/57.5
4,761,809	8/1988	Brancati	379/145
4,946,095	8/1990	Anello et al.	232/57.5
4,966,325	10/1990	Anello et al.	232/57.5
5,018,193	5/1991	De Arkland	379/145

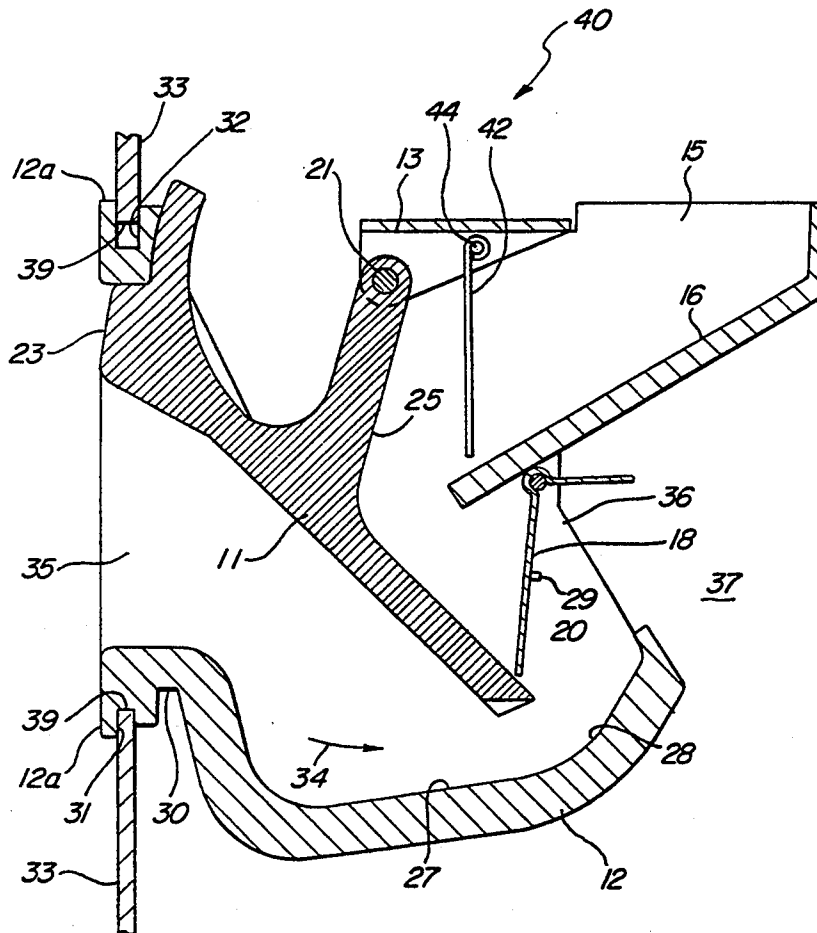
5,102,038	4/1992	Anello	232/57.5
5,131,035	7/1992	Ohayon	379/437
5,146,492	9/1992	Stone et al.	379/145
5,193,113	3/1993	McGough	379/437

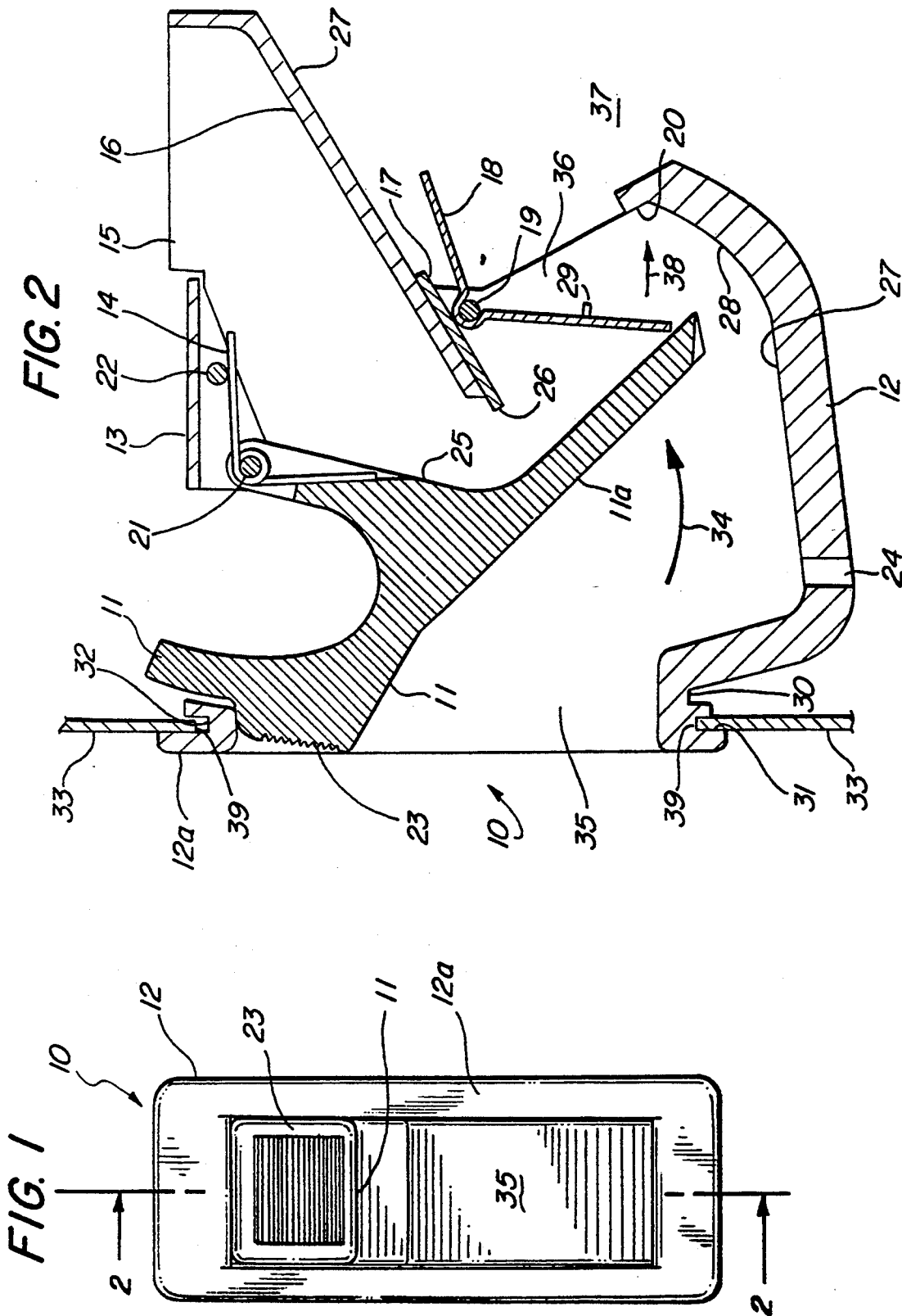
**FOREIGN PATENT DOCUMENTS**

280084 8/1988 European Pat. Off. .... 194/202

*Primary Examiner*—Flemming Saether*Attorney, Agent, or Firm*—James G. O'Neill**[57] ABSTRACT**

An improved protective coin return for a telephone paystation having a pivoted outer sweep flap and at least one pivotable inner flap, all made from a high strength material. The outer sweep flap and the at least one inner flap replace the conventional door on coin returns so as to provide an open front portion whereby a telephone user may look into the coin retrieval area. Additionally, the outer and inner flaps cooperate together to expel unwanted materials from the coin return and substantially block and dissipate the force and gases of any explosive materials detonated therein.

**19 Claims, 3 Drawing Sheets**



**FIG. 3**

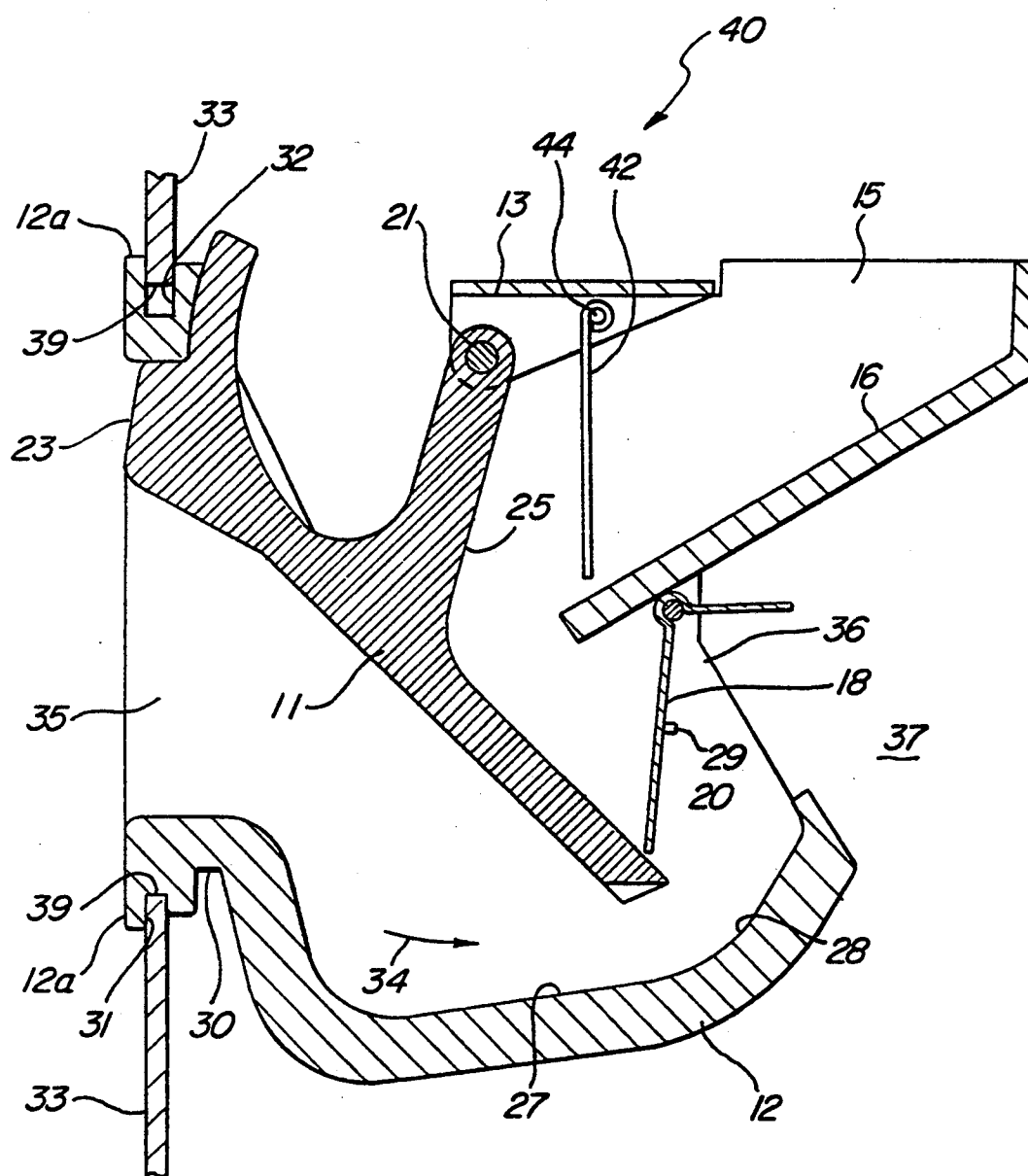
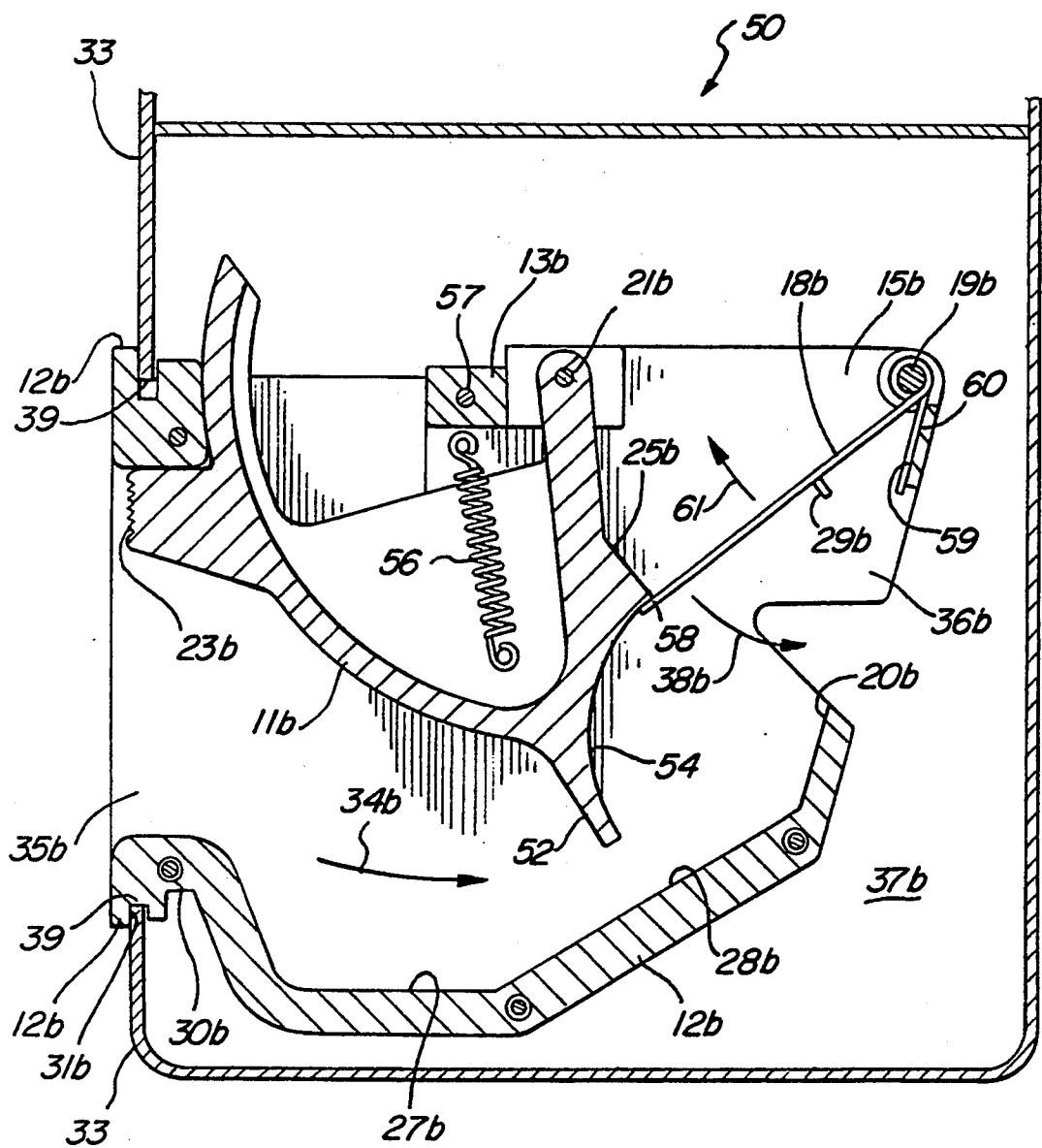


FIG. 4



PROTECTIVE COIN RETURN FOR TELEPHONE  
PAYSTATION

BACKGROUND OF THE INVENTION

1. Field of the Invention

This invention relates generally to telephone paysta-  
tion coin returns, and more particularly, to an improved  
protective coin return for a telephone paystation.

2. Description of Related Art

As is well known, increasing the security of coin  
operated telephones or paystations installed in public  
places has long been a factor in their design. The exterior  
of such paystations, and particularly the coin return  
area of known telephone paystations are vulnerable to  
thieves, vandals, or the like (hereinafter collectively  
referred to as "vandals"), and proposed solutions for  
solving this area of vulnerability have failed to provide  
adequate protection to the existing paystations. For  
example: persistent and resourceful vandals utilize tools  
to pry existing coin returns from the paystation hous-  
ings; stuff various flexible materials through the opening  
in these coin returns; and/or insert and ignite cherry  
bombs, M-80s or other explosive materials through the  
openings and behind the pivoting doors mounted in  
such openings. Such vandalism causes widespread in-  
convenience and problems, and costs millions of dollars  
each year. This is graphically spelled out in a recent  
study done by New York Telephone ("NYT") and  
published in the May 1993 issue of Public Communica-  
tions Magazine, wherein it stated that it costs NYT over  
\$10,000,000 per year to repair or replace payphones  
located in New York city. The study specifically pin-  
pointed cherry bombs, or other explosive devices in-  
serted in coin returns, as the cause of much of the dam-  
age and resultant costs.

With the expected continued rise in revenues to be  
taken in by telephone paystations over the years, it is  
obvious that they will become an even more attractive  
and lucrative target for vandals. In an attempt to dis-  
suade vandals, numerous attempts have been made to  
prevent the stuffing of flexible materials, or the insertion  
of explosives, into the coin returns of telephone paysta-  
tions. Such attempts include: adding exterior doors to  
the coin returns; adding armor around the coin return,  
or the door of the coin return; adding devices to the  
interior surface of the existing coin return door; the  
modification of the exterior coin return opening; the  
modification of the interior of the coin return door; the  
modification of the coin retrieval portion of the coin  
return; or the modification of the coin return chute.  
However, particularly in large metropolitan areas, such  
as New York City, this added protection, new devices,  
or modifications to the coin returns do not solve all of  
the problems, or prevent the need for expensive repairs  
or replacements of telephone paystations.

Examples of suggested prior art solutions are shown  
in the following U.S. Patents:

2,922,571 ("571")	5,131,035 ("035")
4,946,095 ("095")	5,146,492 ("492")
4,966,325 ("325")	5,193,113 ("113")
5,018,193 ("193")	

The '571 patent discloses a change return device  
which includes a link member attached between the  
rear of the change return door and a pivotable change  
return chute to rotate or pivot the chute out of align-

ment when the change return door is opened, to thereby  
prevent stuffing of materials into the coin chute.

The '095, '325 and '193 patents disclose change return  
protection devices attached to the rear of a change  
return door to seal off the change return chute when the  
change return door is opened. The '095 and '193 patents  
also include blocking flaps and/or slot backing plates to  
further prevent insertion of flexible materials into the  
coin return chute and to provide protection against  
explosives.

The '035 patent discloses a U-shaped shield welded to  
the paystation over the coin accumulation and coin  
return areas on the lower housing of the paystation.  
This U-shaped protective shield or plate is fixed or  
secured over the outside of the existing lower housing  
and covers the coin return opening to provide limited  
access into the coin return opening. A door is pivotably  
mounted to the interior of the U-shaped protective  
shield over the coin return opening and is dimensioned  
so as to provide a relatively small coin return access  
opening to help prevent stuffing of the coin return area.

The '492, and '113 patents disclose change return  
protection devices having modified coin chutes or spe-  
cial covers attached to the change return door to inhibit  
or prevent the insertion of explosive devices and/or  
stuffing materials into the change return chute when the  
change return door is opened. The '492 patent also  
includes a flap gate pivoted in the coin return passage to  
allow only one coin at a time to pass into the coin return  
area for retrieval.

Although the devices and modifications set forth in  
the above-identified patents have prevented some of the  
known problems and hindered vandals in some situa-  
tions, they have not been successful in preventing the  
stuffing of all explosive or flexible materials into or  
adjacent the coin returns, thereby still allowing deter-  
mined vandals to steal coins from or disable such pay-  
stations. Additionally, these known devices and modifi-  
cations do not consistently prevent damage to the inter-  
nal components of the paystation or to the coin return  
itself when explosive materials are inserted therein, or  
applied to the exterior surface area around the coin  
return opening. Finally, some of the disadvantages of  
adding protective plates or covers to the lower housing  
or coin return door of a paystation, as set forth in some  
of the prior art patents, is that they actually deflect the  
gasses or explosive force of any explosives detonated  
therein into the telephone enclosure and the internal  
components thereof. Or, the added weight of such pro-  
tective covers make the coin box more difficult and  
cumbersome to open and remove. Or, the added cover  
offers sharp edges or surfaces that a vandal may use as  
an application point for prying tools. Additionally, the  
adding of covers or plates to existing equipment in pay-  
stations may add significantly to their cost, which added  
cost cannot always be justified.

Therefore, there still exists a need for a dependable  
coin return protection means which is low in cost, easy  
to manufacture and install, and which overcomes the  
problems set forth above.

The invention disclosed herein overcomes many of  
the above-mentioned limitations and problems as well  
as additional problems, such as drug dealers or others  
using telephone paystation coin returns for drug deals  
or other nefarious schemes. This is usually accom-  
plished by inserting drugs, syringes, or other unwanted  
items behind coin return doors for collection by a third

party. However, an unsuspecting payphone user reaching for change after attempting to use the telephone may come in contact with the drugs, or be harmed by the syringes or other items inserted therein. Applicant's novel device overcomes this problem, and others, by the provision of an improved, protective coin return having no coin return door at the front of the opening behind which items may be hidden. Applicant's device does include an outer sweep flap having a downwardly extending leg portion, and at least one cooperating inner flap which allow any materials stuffed into the opening to be seen, or to be swept from the coin return retrieval area through a rear opening. The internal cooperating flaps also dissipate and block the force of any explosive materials inserted and exploded in the coin return to prevent any damage to the coin return, the telephone paystation enclosure, and/or the internal components of the telephone. Furthermore, the improved coin return of the present invention may be used for new telephone paystations installations, or, in its preferred embodiments, is readily adapted for use with existing telephone paystations to provide added security to the coin return area.

### SUMMARY OF THE INVENTION

Accordingly, it is a general object of the present invention to provide an improved coin return for a telephone paystation.

It is a particular object of the present invention to provide an improved coin return for a telephone paystation which is adapted to be securely attached in existing telephone paystation enclosures.

It is a still more particular object of the present invention to provide an improved coin return for a telephone paystation which is designed to foil vandals.

It is yet a more particular object of the present invention to provide an improved coin return for a telephone paystation having protective internal and external flap means to prevent vandalism, and to both dissipate and block the explosive force of any materials detonated therein.

It is a further particular object of the present invention to provide an improved coin return for a telephone paystation having novel coin deflection and path means.

It is yet another particular object of the present invention to provide an improved coin return for a telephone paystation which includes an easily operated sweep means to permit easy actuation of an external flap means so as to sweep any materials inserted therein out of the coin path and to block the coin chute.

It is a still further particular object of the present invention to provide an improved coin return for a telephone paystation having pivoting inner and outer flap means.

It is yet a further particular object of the present invention to provide an improved coin return for a telephone paystation having no outside door, and an integrated design that blends with and is more securely fastened in existing paystations.

It is yet a still further particular object of the present invention to provide an improved coin return for a telephone paystation assembly having cooperating pivotable inner and outer flap means forming a portion of the coin path and providing enhanced security for the coin return and the telephone paystation enclosure.

And, it is a final particular object of the present invention to provide an improved coin return for a telephone paystation having a plurality of exterior and interior

flap means fabricated from stainless steel, which may be easily manufactured and readily incorporated into existing telephone paystations to provide a stronger coin return, and substantially block and diminish the force of any explosives detonated therein.

In accordance with one aspect of the present invention, there is provided an improved coin return assembly for a telephone paystation with a pivotable outer flap means incorporating a portion of the internal coin path and having a downwardly depending leg portion which sweeps any inserted materials contacted thereby out of the coin path, and at least one internal flap means pivotably mounted to a wall, within the coin path, which cooperates with the outer flap means to aid in substantially blocking any explosive force, or resulting gasses from an explosive detonation therein, from entering the internal areas of the payphone. The at least one internal flap means also acts to guide coins in the coin path so as to properly exit into a coin retrieval cavity for retrieval by a payphone user.

### BRIEF DESCRIPTION OF THE DRAWINGS

The objects and features of the present invention, which are believed to be novel, are set forth with particularity in the appended claims. The present invention, both as to its organization and manner of operation, together with further objects and advantages, may best be understood by reference to the following description, taken in connection with the accompanying drawings, in which:

FIG. 1 is a front elevational view of an improved coin return of the present invention;

FIG. 2 is a sectional view, taken along line 2—2, of the coin return of FIG. 1, inserted in a telephone paystation enclosure;

FIG. 3 is a sectional view of a further embodiment of the improved coin return; and

FIG. 4 is a sectional view of a still further embodiment of the improved coin return.

### DESCRIPTION OF THE PREFERRED EMBODIMENTS

The following description is provided to enable any person skilled in the art to make and use the invention and sets forth the best modes contemplated by the inventor of carrying out his invention. Various modifications, however, will remain readily apparent to those skilled in the art, since the generic principles of the present invention have been defined herein specifically to describe an improved protective coin return for a telephone paystation assembly, identified generally at 10.

Turning first to FIGS. 1-2 of the drawing, the preferred embodiment of the coin return 10 is shown inserted a telephone paystation enclosure 33. The coin return 10 includes an exterior housing 12 comprised of two halves or cooperating components. These halves are made from zinc, stainless steel, or the like, and secured together, in any manner known to those skilled in the art, to form the housing 12. The housing 12 has no exterior door, but includes an outer sweep or flap means 11, shaped and dimensioned so as to snugly fit into the rectangular interior thereof. The sweep means 11 is pivotably mounted about a pin or point 21, and includes a downwardly depending leg portion 11a, which is dimensioned to allow coins to pass under its lower end, but acts to sweep any materials inserted through the open front portion 35 of the housing 12, and which are

contacted by this lower leg portion 11a, out of the coin path. Any material contacted by and swept rearwardly by leg 11a will be pushed through a rear opening 36, into a storage area or opening 37 in the telephone paystation enclosure, for retrieval and disposal at a later date. The sweep means 11 also includes a front actuating means or knob 23 which, when pushed, pivots the sweep means around the pivot pin 21, in the direction of the arrow 34. The sweep means 11 may be allowed to return to its rest position shown in FIGS. 1 and 2 by gravity, or may include a biasing means, such as a spring 14, mounted to the pivot means 21 and to assist in biasing the sweep means assembly 11 into its rest position. The biasing means 14, if used, preferably includes a pair of resilient arms which coact with a flattened portion of interior surface 25, forming a portion of the internal coin path, of sweep means 11 and a pin or stop means 22 held in or forming a part of a bracket 13, formed to or captured in the housing 12, in a known manner. The housing 12 is in turn securely mounted in the telephone paystation enclosure 33, in a manner described more fully below.

The internal coin path of housing 12 also includes an internal coin slide or chute 16 connected in a known manner to the normal coin return means from a telephone paystation in the enclosure 33, via a coin entry opening 15. That is, coins are dropped from the telephone paystation into opening 15, in a known manner, hit and roll or slide down chute 16, pass around the end of chute 16 and between edge 26 of a knife means 17, and an aligned, arcuate portion of interior surface 25, forming a portion of the internal coin path. The coins then pass through or under a pivotable inner flap 18, down a slide area 28 below the lower end of leg 11a, and into coin retrieval area or cavity 27. If the flap 18 is for any reason blocked or held in place, the coins will not pass under this flap, but will be backed-up or held in position behind the flap. Because of the open front 35 of the coin return 12 of the present invention, the explosive force of any materials detonated in or near the coin return will be dissipated or expelled outwardly through this open front. Furthermore, a person using the telephone paystation can see into the coin retrieval area 27 through the open front to ascertain if there are any coins, foreign objects, or other materials therein. If any materials are located therein, or no coins are seen, the materials may be removed through the front opening 35 or pushed or swept from the coin path by pushing on knob 23 to pivot the sweep means 11 and flap means 18. The actuation of the knob 23, sweep means 11 and flap 18, will not only push unwanted materials through opening 36 by means of depending leg 11a, but will then also allow any coins backed up behind flap 18 to pass by the unlogged flap 18 and to exit between the end of leg 11a and coin slide 28, into coin retrieval area 27. The coins may then be retrieved by the telephone user from coin retrieval area 27 by inserting a finger into opening 35 and sliding the coins out. A hole 24 may be provided in the bottom of coin retrieval area 27 to allow any condensation or moisture collected therein to be drained away.

The sweep means 11, 11a and flap assembly 18, as well as the remaining components of the coin return housing 12, are fabricated to exacting tolerances and are made from strong, rigid, and secure high strength materials, such as stainless steel, or if to be used in certain less vulnerable areas, steel, or the like. These high strength materials must be strong enough to resist tampering

with by vandals. The internal flap assembly 18 is pivotably mounted on a pivot pin 19, and is actuated by gravity or, preferably, includes a pair of resilient arms, as shown in FIG. 2, so as to aid gravity in biasing the flap into its rest position. This flap assembly 18 is dimensioned so that it fits snugly in the coin path, with the end of its downwardly extending leg coacting with the interior surface 25, forming a portion of the coin path, of the depending leg portion 11a. Flap assembly 18 prevents any flexible materials from being inserted into the coin path behind the leg 11a. Also, if an explosive device is detonated in the coin return, the flap assembly 18 will be rotated by the force of the explosion into more solid contact with the coin path 25 to thereby form a seal to prevent any explosive force or vapor from reaching the internal components of the payphone. The rear of the downwardly extending leg of flap 18 includes a sharpened means, such as a pin 29, to burst any balloons or other inflatable items inserted behind the flap in an attempt to block the flap from swinging freely in the direction of arrow 38.

When looking at FIG. 2, if the knob 23 of the sweep means 11 is pressed inwardly, in the direction of arrow 34, toward the coin chute 16, the interior surface 25 of leg 11a, forming a portion of the coin path, will press against the lower or outer end of the downwardly extending leg of interior flap 18, to move flap 18 in the direction of the arrow 38, toward the rear opening 36 until the lower ends of leg 11a and flap 18 contact a stop portion or wall 20 formed in or to the housing 12, to thereby both stop the movement of sweep 11 and completely block-off the opening into the coin path and coin chute 16. At the same time, any material (other than any coins, of course) in the coin slide area 28, or coin path, will be pushed or swept by the leg 11a through rear opening 36 and into compartment 37.

Referring specifically to FIG. 2, the coin return of the present invention is preferably inserted into and held in an existing coin return opening 39 of the telephone paystation enclosure 33, as follows: the housing 12 is inserted into opening 39 until a pivot area 30 of the housing is aligned with and placed over the lower part of the opening 39. The housing 12 is then pivoted or rocked around pivot area 30, into the interior of the enclosure 33, until interior surface of outer lip 12a of the housing contacts the exterior of the enclosure 33 and an upper, deeper slotted opening 32, formed in housing 12, is aligned with the top surface of the opening 39. The housing 12 is then pushed upwardly until the top surface of opening 39 of enclosure 33 bottoms out in the deeper slotted opening 32. The bottom of housing 12 is then pushed or rocked inwardly, passed pivot area 30, until the interior surface of outer lip 12a of the housing contacts the exterior of the enclosure 33 and a lower, shallower slotted opening 31, formed in housing 12, is aligned with the bottom surface of the opening 39. The housing 12 is then allowed to drop until shallower slotted opening 31 bottoms out against the bottom surface of opening 39. The housing may then be firmly held in position by means pressed against the upper surface of bracket 13, in a manner well known to those skilled in the art, and will then remain in the position shown in FIG. 2, until the steps described above are performed, in the reverse order, to remove the same.

Turning now to FIG. 3, there is shown a further embodiment 40 of the coin return of the present invention, which is substantially identical to that shown in FIG. 2. The same elements as those contained in the

coin return 10 of FIG. 2 are identified with the same numerals in FIG. 4. It, therefore, can be seen that this embodiment includes all of the elements of coin return 10 except for spring means 14, and further includes a second, gravity actuated flap means 42, pivotably mounted to a pivot means 44 held in or formed to bracket 13. This pivotable second flap means 42 is shown as not extending all the way to and touching the coin slide 16 and is specifically sized and dimensioned to cooperate with the coin slide 16 to guide or rearrange any coins which may roll or otherwise be skewed when coming down the slide. Second flap means 42 is particularly useful to ensure that there is no chance of any coin backup or jam in those telephone paystations which dump or return large quantities of coins at one time (up to \$5.00 worth in some situations).

FIG. 4, shows a further embodiment 50 of the coin return of the present invention, which operates in a manner similar to that of the embodiment shown in FIG. 2. Similar elements as those contained in the coin return 10 of FIG. 2 are identified with the corresponding numerals plus the suffix "b" in this FIG. 4. It, therefore, can be seen that this embodiment includes most of the elements of coin return 10, such as an exterior housing 12b comprised of two halves or cooperating components fabricated in the same manner as housing 12, described above. The housing 12b is shown as being deeper, or extending further inwardly into the enclosure 33, so that it contains an elongated coin slide 28b which extends for a longer distance than the coin slide 28 of coin return 10, as explained more fully below. The housing 12b also lacks an exterior door, and includes a substantially arcuate outer sweep or flap means 11b, shaped and dimensioned so as to snugly fit into the rectangular interior of the housing 12b. The sweep means 11b is pivotably mounted about a pin or point 21b, and includes a downwardly depending leg portion 52 having an arcuate inner surface 54, forming a part of the coin path. As shown, this leg portion 52 is dimensioned so as to be spaced from elongated coin slide 28b to allow coins to pass under its outer end. However, leg 52 acts to sweep any materials inserted through the open front portion 35b of the housing 12b, and contacting the leg, out of the coin path or coin slide 28b. Any material contacted by and swept rearwardly by leg 52 will be pushed through a rear opening 36b, into a storage area or opening 37b in the telephone paystation enclosure. The sweep means 11b also includes a front actuating means or knob 23b which, when pushed, pivots the sweep means around the pivot pin 21b, in the direction of the arrow 34b. Biasing means, such as a spring 56, is mounted between an interior point of the sweep means 11b and a securing point 57 on a bracket 13b, or the like, in a known manner, to bias the sweep means assembly 11b into its rest position, as shown in FIG. 4. The sweep means 11b also includes an arcuate interior surface 25b, forming a portion of the coin path. The housing 12b is also securely mounted in the telephone paystation enclosure 33, in the same manner as described above.

The housing 12b does not include an internal coin slide or chute similar to that shown at 16 in FIGS. 2 and 4. The housing 12b does include a coin entry opening 15b, connected in a known manner to the normal coin return means from a telephone paystation in the enclosure 33. Therefore, when coins are dropped from the telephone paystation into opening 15b, they first contact and move flap 18b, pivotably mounted about pivot pin

or point 19b formed to or adjacent the opening 15b, in housing 12b. The weight of the coins is sufficient to move flap 18b downwardly so the coins pass between the flap and the arcuate interior coin path portion 25b. Depending on the number of coins being returned, lower end 58 of flap 18b will be moved away from contact with the arcuate interior coin path 54, against the bias of a resilient arm 59 of flap 18b, pressed against a fixed surface 60 formed to or as part of the housing 12b. The flap 18b can be moved in the direction of the arrow 38b, until it touches or is stopped against wall 20b. The coins then drop past pivotable inner flap 18b until they contact slide 28b. The coins move down slide area 28b below the end of leg 52, and into an enlarged coin retrieval area or cavity 27b, capable of receiving more coins. When all the coins pass by flap 18b, resilient arm 59 will move or return the flap, in the direction of arrow 61, until the flap comes to its rest position, as shown in FIG. 4. If for any reason the flap 18b is blocked or held in place, the coins will not pass by this flap, but will be backed-up or held in position behind the flap. Since this coin return 50 also includes an open front portion 35b, a person using the telephone paystation can see into the coin retrieval area 27b and operate the sweep means 11b in the same manner as sweep 11, or may retrieve the coins from enlarged coin retrieval area 27b, in the same manner as described above. The components of the coin return 50 are fabricated in a manner identical to, or similar to those of coin returns 10 and 40. Looking at FIG. 4, when the knob 23b of the sweep means 11b is pressed inwardly, in the direction of arrow 34b toward the rear opening 36b, the arcuate interior surface or coin path 54 of leg 52 will press against the lower or outer end 58 of interior flap 18b, to move flap 18b in the direction of the arrow 38b, until this lower end 58 and the end of leg 52 contact the stop portion or wall 20b, to thereby both stop movement thereof, and completely block-off the opening into the coin path and coin entry 15b. At the same time, any material in the coin slide area 28b contacted by the leg 52 or flap 18b will be pushed or swept through rear opening 36b and into compartment 37b.

Those skilled in the art will appreciate that the above-described preferred embodiments are subject to numerous modifications and adaptations without departing from the scope and spirit of the invention. Therefore, it is to be understood that, within the scope of the appended claims, the invention may be practiced other than as specifically described herein.

What is claimed is:

1. A coin return for insertion into a telephone paystation enclosure assembly, comprising, in combination:
  - a an exterior housing comprised of two halves secured together to form an internal coin path in an interior cavity having a front opening, rear opening and a coin entry opening connected together by said interior cavity;
  - a sweep means comprised of an outer flap means dimensioned to snugly fit into said interior cavity;
  - said outer flap means pivotably mounted in said interior cavity for movement between a first position adjacent said front opening and a second position, away from said front opening and toward said rear opening;
  - said internal coin path formed in said interior cavity extending between said coin entry area and a coin retrieval area adjacent to and accessible through said front opening;



said front opening having a top portion and a bottom portion, with said bottom portion being open at all times so that any coins or other materials in said coin retrieval area may be viewed and accessible through said bottom portion;

said outer flap means including a front face and a rear face, with an actuating portion connected to said front face and extending into said top portion of said front opening;

said front face of said outer flap means extending away from said actuating portion and said front opening, and ending in a downwardly depending leg portion having an outer end;

said rear face of said outer flap means forming a portion of said internal coin path;

said rear opening connected to said interior cavity allowing any unwanted materials stuffed into said coin retrieval area and behind said outer flap means, to be swept from said internal coin path and through said rear opening, by said outer end of said downwardly depending leg portion, upon movement of said outer flap means, by said actuating portion, from said first position to said second position; and

said outer end of said downwardly depending leg portion of said outer flap means being dimensioned to allow coins to pass along said internal coin path on said rear face of said outer flap means and past said outer end, but to sweep any unwanted materials inserted into said coin retrieval area, out of said internal coin path, and through said rear opening of said exterior housing.

2. The coin return of claim 1, further including a pivotable inner flap means mounted in said internal coin path and cooperating with said rear face of said outer flap means.

3. The coin return of claim 2 wherein said exterior housing includes an outer surface with a lower portion and an upper portion, a pivot area formed on said lower portion of said outer surface, an outer lid formed on said outer surface, surrounding said front opening, and slotted openings formed in said outer surface of said exterior housing at said lower portion and said upper portion, adjacent said outer lip, to enable said coin return to be mounted to said telephone paystation enclosure.

4. The coin return of claim 2 wherein said pivotable inner flap means acts to block any unwanted materials or explosive force from entering said internal coin path and said coin entry opening of said exterior housing, and includes a sharpened means fixed to one surface thereof, to burst any inflatable items inserted into said internal coin path and contacting said sharpened means.

5. The coin return of claim 1 wherein said pivotable outer flap means include biasing means to bias said pivotable outer flap to said first position and to return it to said first position from said second position.

6. The coin return of claim 4, further including a knife edge in said internal coin path, adjacent said rear face of said pivotable outer flap means for controlling the movement of any coins passing between said knife edge and said rear face.

7. The coin return of claim 1, further including a first pivotable inner flap means and a second pivotable inner flap means mounted in said internal coin path, said first pivotable inner flap means blocking any unwanted materials or explosive force from entering said internal coin path and said coin entry opening of said exterior housing, and said second pivotable inner flap means

controlling the movement of any coins entering into said interior cavity and passing by said second pivotable inner flap means.

8. The coin return of claim 1, further including a pivotable inner flap means mounted in said internal coin path and cooperating with said rear face of said outer flap means, and a stop means in said exterior housing to limit movement of said pivotable inner flap means and said outer flap means, when said outer flap means is moved from said first position to said second position.

9. The coin return of claim 8 wherein said pivotable inner flap means acts to block any unwanted materials or explosive force from entering said internal coin path and said coin entry opening of said exterior housing, and includes a sharpened means fixed to one surface thereof, to burst any inflatable items inserted into said internal coin path and contacting said sharpened means.

10. The coin return of claim 9, further including a coin return slide formed in said interior cavity adjacent to said coin entry opening, and forming a portion of said internal coin path, with said pivotable inner flap means mounted in said internal coin path between said coin return slide and said outer end of said downwardly depending leg portion of said outer flap means.

11. The coin return of claim 9 wherein said inner pivotable flap means is mounted to a pivot point formed adjacent to said coin return slide and includes a lower end, away from said pivot point which cooperates with said rear face of said outer flap means.

12. The coin return of claim 9 wherein said outer flap means include biasing means to bias said outer flap means to said first position and to return said outer flap means to said first position after it has been moved to second position.

13. The coin return of claim 9 wherein said pivotable inner flap means include biasing means to bias said pivotable inner flap means to a rest position.

14. A coin return for insertion into a telephone paystation enclosure assembly, comprising, in combination: an exterior housing comprised of two halves secured together to form an internal coin path in an interior cavity having a front opening, rear opening and a coin entry opening connected together by said interior cavity;

a sweep means comprised of an outer flap means dimensioned to snugly fit into said interior cavity; said outer flap means pivotably mounted in said interior cavity for movement between a first position adjacent said front opening and a second position, away from said front opening and toward said rear opening;

said internal coin path formed in said interior cavity extending between said coin entry area and a coin retrieval area adjacent to and accessible through said front opening;

said front opening having a top portion and a bottom portion, with said bottom portion being open at all times so that any coins or other materials in said coin retrieval area may be viewed and accessible through said bottom portion;

said outer flap means including a front face and a rear face, with an actuating portion connected to said front face and extending into said top portion of said front opening;

said front face of said outer flap means extending away from said actuating portion and said front opening, and ending in a downwardly depending leg portion having an outer end;

11

said rear face of said outer flap means forming a portion of said internal coin path;

said rear opening connected to said interior cavity allowing any unwanted materials stuffed into said coin retrieval area and behind said outer flap means, to be swept from said internal coin path and through said rear opening, by said outer end of said downwardly depending leg portion, upon movement of said outer flap means, by said actuating portion, from said first position to said second position;

said outer end of said downwardly depending leg portion of said outer flap means being dimensioned to allow coins to pass along said internal coin path on said rear face of said outer flap means and past said outer end, but to sweep any unwanted materials inserted into said coin retrieval area, out of said internal coin path, and through said rear opening of said exterior housing; and

at least one pivotable inner flap means mounted in said internal coin path and cooperating with said rear face of said outer flap means.

15. The coin return of claim 14, further including a stop means in said exterior housing to limit movement of said at least one pivotable inner flap means and said outer flap means, when said outer flap means is moved from said first position to said second position, and wherein said at least one pivotable inner flap means acts to block any unwanted materials or explosive force from entering said internal coin path and said coin entry opening of said exterior housing.

16. The coin return of claim 14 wherein said pivotable outer flap means include biasing means to bias said pivotable outer flap to said first position and to return it to said first position after movement to said second position, and there are first and second pivotable inner

12

flap means in said internal coin path, with the first pivotable inner flap means cooperating with said rear face of said outer flap means to block any unwanted materials or explosive force from entering said internal coin path and said coin entry opening of said exterior housing, and the second pivotable inner flap means controlling the movement of any coins entering into said interior cavity and passing by said second pivotable inner flap means.

17. The coin return of claim 16, further including a coin return slide formed in said interior cavity adjacent to said coin entry opening, and forming a portion of said internal coin path, with said first pivotable inner flap means mounted in said internal coin path between said coin return slide and said outer end of said downwardly depending leg portion of said outer flap means, and said first pivotable inner flap means includes a sharpened means fixed to one surface thereof, to burst any inflatable items inserted into said internal coin path and contacting said sharpened means.

18. The coin return of claim 14 wherein said at least one inner flap means is mounted to a pivot point formed adjacent to said coin entry opening and includes a lower end, away from said pivot point, which cooperates with said rear face of said outer flap means.

19. The coin return of claim 14 wherein said exterior housing includes an outer surface with a lower portion and an upper portion, a pivot area formed on said lower portion of said outer surface, an outer lip formed on said outer surface, surrounding said front opening, and slotted openings formed in said outer surface of said exterior housing at said lower and upper portion thereof adjacent said outer lip to enable said coin return to be mounted to said telephone paystation enclosure.

\* \* \* \* \*

40

45

50

55

60

65